

Instructions for Use



Product:

Ophthalmic/Otorhinological Chair

Model:

EOT-1800



INTRODUCTION:

Congratulations! You have just purchased a product developed through the latest concepts of high technology available in the market. This equipment has been designed following strict quality standards to provide maximum performance, quality and safety to the user.

PRODUCT:

Technical Name: Ophthalmic/Otorhinological Chair

Trade Name: Ophthalmic/Otorhinological Chair

Model: EOT-1800

BRAND:

ELIEZER

MANUFACTURER:

ELIEZER

ATTENTION!

Read carefully all information contained in these Instructions for use before you start using the equipment.

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1. Presentation of EOT-1800

The EOT-1800 is available to meet the diverse needs of medical professionals according to your requirements.

Then, all the information necessary for proper installation and use of the product are presented.

2. Ophthalmic/Otorhinological Chair EOT-1800

2.1. Product Identification:

Technical Name: Ophthalmic/Otorhinological Chair

Trade Name: Ophthalmic/Otorhinological Chair

Model: EOT-1800



2.2. Description:

The **EOT-1800** is a motorized chair can be controlled by the operator using footswitch. The control through this pedal enables various adjustable positions of the chair, including two predetermined factory position for easy handling operator. It also has a denominated switch “lock” to interlock all movements controlled by the pedal, thereby avoiding any unwanted movement during clinical procedures. System has increased the seat, backrest and legging driven by geared motor electric works oil-free and extremely quiet. Its operation allows various settings including: preparation of the surgical operation the patient and Trendelenburg position (optional). The Trendelenburg position allows the patient's inclination in order to assist the surgery. It has thrust retractable head and adjustable arm support for the surgeon Its internal structure is produced in SAE 1020 carbon steel with epoxy paint

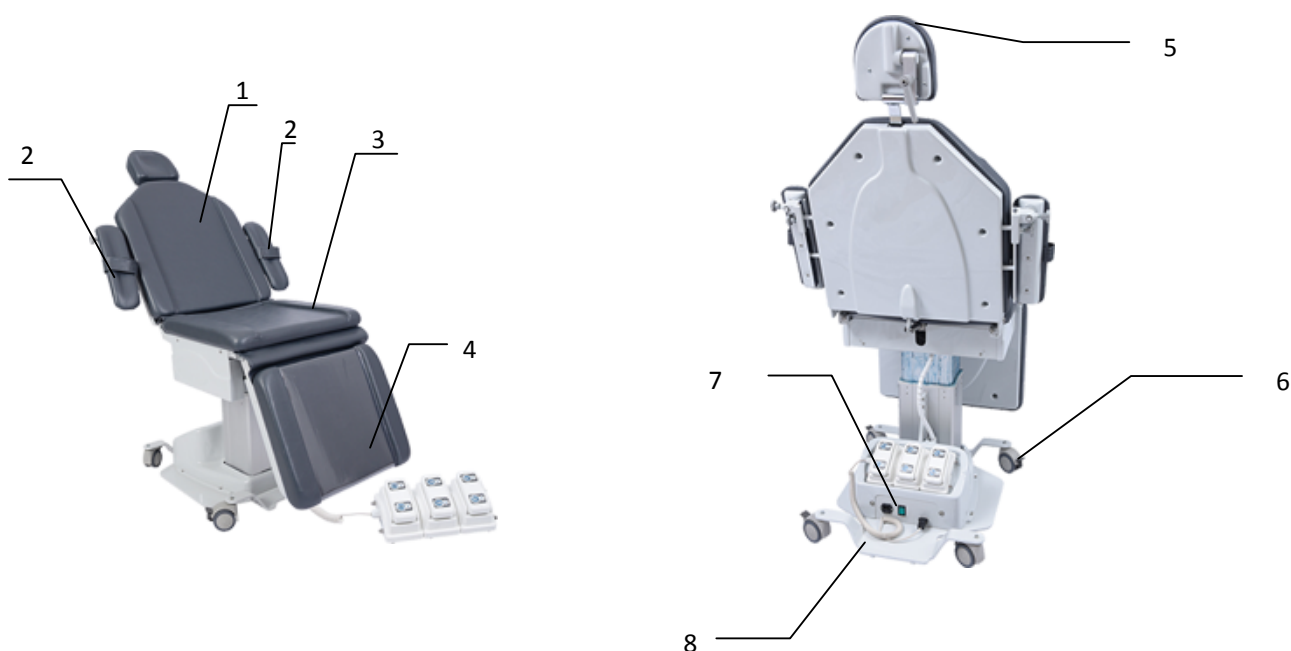
surface treatment and polystyrene finish for easy cleaning. It has padded foam injected anti-deforming and density controlled vinyl coated anti-mold with rounded corners. Use lock brake system 3" and 4" with casters to facilitate movement of the chair 3" e 4". The equipment is provided at 110/220V.

2.3. Physical principle and fundamentals of the product technology applied to its operation and its action:

Equipment developed in painted steel structure with padding for support and divided into two main parts (seat and back) with independent movements can be electric (geared motors and drive pedals) or manual (levers and knobs).

2.4. Parts and accessories that accompany the Product:

Item	Parts description
01	Backrest
02	Arm rest
03	Seat
04	Leg rest
05	Retractable headrest
06	Wheel locks
07	Panel
08	Base



2.4.1. Accessories:



Footswitch



Headrest



Arm rest



Power cable

2.5. Optional items, consumables and support materials:

2.5.1. Optional items:

Not applicable to the product.

2.5.2. Consumables:

Not applicable to the product.

2.5.3. Support materials:

User`s Manual and Warranty.

Attention!!

The use of parts, accessories or equipment not specified in the User`s Manual is the responsibility of the owner and may even compromise the warranty period given for the product.

2.6. Technical Specifications:

Product class	Class 1 (low risk)
Protection against electric shock	Type B Class I
Level of protection IP	IPX0 – Splash guard
Supply Voltage	127 / 220 V AC
Operating Frequency	50 / 60 Hz
Load current.....	5A
Engine.....	CC 24V

Fuse type	Fuse 20mm – 2A
Power Consumption	90W
Maximum lift capacity	180Kg
Dimensions (chair mode).....	930 x 800 x 1400mm (L x W x H)
Dimensions (lying mode)	1770 x 800 x 865mm (L x W x H)
Seat - Maximum / minimum height	870 mm / 580 mm
Used area (lying mode)	1,4m ²
Net weight.....	96 kg
Gross Weight.....	138 kg
Type of package	Wooden box
Package dimensions.....	1660 x 770 x 750 mm (L x W x H)

2.7. Instructions for proper use of the product:

2.7.1. Product Overview:



Frontal view



Back view

2.7.2. Positions for use like chair:

	<u>Seat position:</u> It is the set position for the rest of the patient after surgery. <u>Lying position:</u> It is the set position for the start of exams.
	<u>Arm rest:</u> Has articulated and up and down movements for easy positioning of the patient's arm.
	<u>Retractable headrest:</u> It has articulated movement with height adjustment and tilt with anatomical padding in injected anti-deforming foam.
	<u>Brake system:</u> It has two settings: 1- released brake, lever up 2- locked brake, lever down.

2.7.3. Commands to the motion control chair:

Commands for controlling the Ophthalmology/Otorhinological Chair **EOT-1800** can be triggered by the operator through the footswitch. It has electric controls for adjusting seat height, backrest the and leg support. It has two determined positions in which the seat back at the preset position to facilitate operator handling. It also has a control panel at the base of the chair..

The chair control operations are carried out just by a simple touch control keys.

ATTENTION!!

The foot control and the control panel does not have liquid protection, and may not be considered to be waterproof.



Layout of the controls located on the base panel



Layout of the controls located on the footswitch

Key	Command	Description
	On/Off	Power on and Power off.
	Connector	Port connector for fuse and power cord
	Connector	Footswitch cable connector.
	Raise	Seat up.
	Down	Seat down.
	Recline	Backrest raise.
	Tilt	Backrest lower.
		Leg support raising.

		Leg support lower.
		Return to chair mode.
		Lying mode.
	Lock	Lock all commands.

ATTENTION!

It is strictly inadvisable to use the equipment by persons not trained, and are not responsible for incorrect use of the same.

3. Equipment installation

ATTENTION!!

Read carefully the following instructions before starting the installation of the equipment for the first time.

- Before you begin installing the product, make sure there is no damage inside the packaging component. If this happens, immediately contact the company to resolve the issue.
- Install the equipment in proper place with space for their movements can be made freely and allowing access to all parts.
- Verify that the power supply voltage is 127 or 220 V AC and that it supports at least 200 Watts of power.

Note: The equipment has a manual voltage selector.

- The equipment must be plugged into an outlet specially installed for this purpose and grounding as applicable Technical Standard ABNT to ensure total security and proper operation of the equipment.

- Use an exclusive outlet.

- When connecting the power cord into the outlet, check that it is not pierced in places where movement of people can occur to prevent accidental disconnection and possible damage to the cord or outlet.

Attach the headrest rod into the hole on top of the backrest and turn the locking knob clockwise until it locks into position.

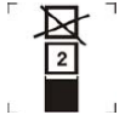
If necessary, the manufacturer has specialized technical team to perform the installation of the equipment.

4. Special storage conditions, storage and / or handling of the product

BEFORE INSTALLATION:

4.1. Package:

All information on precaution to be taken during the process of transportation and storage are indicated on your own package through of standard symbols as described below:

Symbology	Description
	Fragile. Care in transporting and storing.
	Maximum number of stacking. At most two identical units can be stacked upon one another.
	Need protection against humidity in transport and storage.
	Upward direction. Positioning of the package during transport and storage.
	Temperature limit (0 to 55°) for transport and storage.

4.2. Storage:

- During storage, keep the product in its original packaging and protected from humidity and excessive heat.
- If need to store various equipment, the maximum stacking should be a maximum of two units (as indicated by the symbol).

4.3. Transport:

- During transportation, avoid vibrations, falls and impacts directly on the package.
- When handling the equipment out of his original package, proceed from their base and not the tube, arms or other piece of equipment.
- During transport and storage, check the environmental conditions are within specified ranges as described below:

Environment for transport and storage temperature 10°C to +55°C

Relative humidity for storage and transportation 0% to 90%

Atmospheric pressure..... 375 a 795 mmHg

AFTER INSTALLATION:**4.4. Packaging:**

- Keep the product protected from humidity, excessive heat and solar rays.
- During transport and storage, check the environmental conditions are within specified ranges as described below:

Environment for transport and storage temperature 10°C to +60°C

Relative humidity for storage and transportation 0% to 90%

Atmospheric pressure..... 375 to 795 mmHg

4.5. Conservation:

- During use, keep the equipment clean with damp cloth and neutral soap.
- After each use, keep the equipment clean and disinfected.
- Do not insert or spill liquid inside the machine.
- Do not use organic solvents (thinner) or products that release chlorine for cleaning equipment.
- Keep the equipment in a clean place and away from dust.

5. Warnings and / or precautions to be taken

5.1 - Warnings and / or precautions for users

This equipment should be operated only by qualified personnel and under the direction of qualified medical staff, familiarized with the risks and known benefits from the use of Chair.

5.2 - Warnings and / or precautions with weight limits o

Never exceed the weight limits specified by the manufacturer.

Never sit on the backrest of the equipment. ***Danger of tipping over!***

5.3 - Warnings and / or precautions on explosion hazards

The chair **EOT-1800** is not suitable for use in presence of flammable anesthetic gases or other flammable materials, such as some types of cleaning products.

Do not connect and will not trigger the Chair **EOT-1800** in areas where there may be danger of explosion.

5.4 - Warnings and / or precautions for electrical hazards

- Check outlet where you will connect the equipment. Check if it is properly installed with ground pin for smooth operation and safety equipment as standard technique ABNT.
- At the end of the work is essential shutdown the th chair by the on / off switch before unplugging the device from the outlet. This will prevent possible overload the machine the next time you turn it on.
- During surgery it is extremely necessary that the shutdown of the equipment is done through the on / off switch. This will prevent possible risk to drop any liquid the electrical parts of the equipment.
- If there is a power failure and blown fuse, you must turn off the machine via the on / off switch, thus avoiding, to return the power supply to the equipment, a possible overload can damage equipment.
- When replacing fuses, keeping the same specifications (type and capacity) provided by the 7manufacturer to ensure electrical protection.
- When replacing the fuse, unplug the equipment before using the on / off switch, and then unplug it from the outlet to avoid possible electric shock.
- Do not use the power cord if any part of it is pinched or if the insulation is damaged.

5.5 - Warnings and / or precautions during transport and storage

- The product should be stored and transported with maximum stack of 2 units, as well as protected from humidity (do not expose to rain, splashes etc.)
- Because it is a fragile product, you should take the necessary that it does not suffer impacts.

5.6 - Warnings and / or precautions during maintenance of equipment

- Do not attempt to repair or replace defective or inoperable equipment components for similar parts of other appliances. Only ELIEZER and distributors can make repairs with original parts and ensure smooth operation of the equipment.
- To ensure the electrical safety of the appliance throughout its lifetime, we recommend that the machine be verified by our authorized service at regular intervals at least once a year (after warranty).
- Failure during the periodic inspection may result in personal injury and damage to the equipment.

5.7 - Warnings and / or precautions when cleaning

- Disconnect the Chair **EOT-1800** from the outlet before carrying out any cleaning procedure.
- Do not use high pressure for cleaning the equipment.
- Do not use any cleaning agents that release chlorine and / or peracetic acid!
- For very dirty surfaces, use a mild soap in concentrated form and then wipe it with a cloth soaked in clean water.
- Do not use cleaning agents by wet chemical process or containing abrasive substances.
- Keep your upholstery free of oil and oily substances.
- Always keep the equipment clean and disinfected after each medical procedure.

6. Product Performance

6.1. Statement and purpose of product use

Indication: Developed for use in medical clinics and hospitals to assist health professionals to position the patient in special positions for diagnostics, providing comfort to the patient and the professional.

Objective: Facilitate handling and positioning of instruments relative to the patient during Ophthalmological consultations, diagnostics and surgery.

6.2. Secondary or undesirable side effects

Not applicable to this product.

6.3. Safety and efficacy of the product

The Chair **EOT-1800** was designed and developed with non-toxic materials and following the most stringent technical standards for safety and provide full functionality to the user. If used according to the instructions described in this manual, the equipment will not cause any problems and will not lose or alter their physical and dimensional characteristics.

7. Installation or connection with other products

The chair **EOT-1800** does not have as purpose the use of compulsory direct connection to other equipment or product.

ATTENTION!!

Use in conjunction with this equipment in any part, accessory or equipment other than those specified by the manufacturer is the user's responsibility.

8. Troubleshooting

<i>Problem</i>	<i>Cause</i>	<i>Solution</i>
On / Off button does not light	The Button is "Off" position	Change button to "On" position
	Utility circuit breaker off	Start the Circuit breaker
	Fuse damaged or burned	Replace the fuse with another of the same specification
	Power cable damaged	Replace power cable
On / Off Switch turns on but does not work any command	Internal fuse electronic circuit board damaged or frayed	Contact the manufacturer
Does not move up and down seat	Internal fuse electronic circuit board damaged or frayed	Contact the manufacturer
Does not move up and down backrest	Internal fuse electronic circuit board damaged or frayed	Contact the manufacturer
Footswitch does not work	Footswitch does not connected	Take out and reconnect the footswitch connector
	Footswitch cable damaged	Replace footswitch cord

Note.: If the problem is not solved as described in the table above, please contact immediately with your local dealer ELIEZER.

9. Procedures for re-use the product

9.1. Cleaning

- The cleaning of the equipment should be performed before and after receiving each patient.
- Clean the metal parts and the control panel with cloth dampened with a mild soap.
- To weakly alkaline cleaning products can be used for cleaning of the assembly.

Note: Do not use any cleaning product chlorine-based and / or peracetic acid!

9.2. Disinfection

- Carried out the usual hygiene plus a germicide or disinfectant broad spectrum, taking special care not to leave residues that may cause any toxic or allergic reaction to contact the patient's body.
- Alcohol-based hand sanitizer can be purchased in the market with various concentrations.

Note: Other disinfectants may be used, but with the maximum values according to the table below:

<i>Product</i>	<i>Dilution (maximum values for 100g of disinfectant)</i>
Ethanol 96%	40g
Propanol	35g
Glutaric dialdehyde 25%	0,075g
Etiltexanal	0,010g
Formaldehyde solution	0,010g
Glyoxal	0,165g
Sodium hypochlorite	0,050g

The ELIEZER is not responsible for the use of different substances or solutions whose concentration is above those specified in this manual.

9.3. Storage

- Keep the equipment in protected place, away from humidity and excessive heat.
- If the machine becomes out of order (no use) for an extended period, it is advisable to disconnect the power cord from the outlet and plug it back only when using it.

10. Precautions in case of changing the operation of the product

If the equipment presents heating or unusual noises, check whether the problem is related to some of the problems mentioned under item 8. Troubleshooting. If you still cannot solve the

problem, immediately turn off the machine, unplug the power cord from the outlet and then contact your local ELIEZER dealer for analysis and carrying out repairs.

11. Sensitivity to environmental conditions in normal use situations

The Chair **EOT-1800** were especially designed and developed to avoid the sensitivity to electromagnetic interference, external electrical influences, electrostatic discharge and variations in pressure and temperature. For this, the equipment must be transported, installed, handled and stored according to the instructions contained in this manual.

12. Precautions in case of destruction of the product

In order to avoid environmental contamination or misuse of the product when it is unusable, shall be provided segregation, packaging, identification and transmission (for the account and risk of the client) to the company premises ELIEZER for to carry out disposal of the product safely.

13. Declaration of Biocompatibility

Parties considered: Vacuum forming / Padding

Declare under our sole responsibility that the material used in the equipment has been widely used in the medical field over time. Thus, it is considered appropriate to the use for the purpose it was intended, no risk of use it.

14. Terms of Guarantee

The ELIEZER offers equipment warranty of 12 months from the date of purchase against material defects present.

Factors that imply the loss of warranty:

- 1- Failure to observe the recommended care in this manual regarding the transportation, installation, use and maintenance;
- 2- Accident, fall, improper installation or any other damage caused by improper use or action of natural agents.
- 3- Violation, repair, or any other modification or alteration performed on equipment or parts by anyone not authorized by ELIEZER;

After the expiration of the warranty period, all services, parts and expenses will be charged as per current standard of business.

15. Statement of responsibility

The company ELIEZER assumes full legal and technical product liability and that all information provided here for the product Ophthalmology/Otorhinological Chair ELIEZER model: **EOT-1800**, in these Instructions for Use are true.